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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/485,679	06/19/2000	NIKOLAOS PAPADOPOULOS	JEK/PAPADOPO	4514

23364 7590 01/27/2004

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EXAMINER
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SMITH, SHEILA B

ART UNIT	PAPER NUMBER
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2681

DATE MAILED: 01/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/485,679

Applicant(s)

PAPADOPOULOS ET AL.

Examiner

Sheila B. Smith

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13, 15 and 16 is/are pending in the application.
- 4a) Of the above claim(s) 14 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13, 15 and 16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Garcia Aguilera et al. (U. S Patent Number 5,854,976).

**Regarding claims 1,2,6,7,8,11, 12, 13**, Garcia discloses essentially all the claimed invention as set forth in the instant application, further Garcia discloses subscriber identity authentication in fixed cellular terminals. In addition Garcia discloses a mobile system having mobile terminals (TCF) connected to a mobile switching center (CCM) via an air interface for communication control and optionally for billing (which reads on column 3, lines 7-18), the mobile terminals being controlled by a SIM in which data for associating at least one user are stored (which reads on column 3, lines 61-67), the SIM having an IMSI associated with it (reads on "the cellular technology employed in this implementation uses the European standard GSM (Global System for Mobile), developed by the ETSI (European Telecommunications Standards Institute), for standardization of digital cellular mobile telephony on an European level" which is used for identifying the user in a global system as disclosed in column 3, lines 19-23). However Garcia fails to specifically disclose wherein the SIM contains a calculation rule for calculating and generating from the stored identity at least one new identity, the new identities created by the calculation rule being associated accordingly in the mobile switching center.

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Garcia discloses the claimed invention except for "in order to generate the new subscriber identification number, the fixed cellular terminal TCF performs a series of arithmetical functions, such as those described below by way of example: The fixed cellular terminal TCF takes as input data the subscriber identification number that it has stored in the EEPROM. Following this, it determines the number of digits that constitute this number, and which can vary between four and eight digits. Depending on the result, it adds a number of zeros until an eight-digit number is obtained. Finally the fixed cellular terminal TCF inverts the odd and even positions of this last number and thereby produces the new subscriber identification number" as disclosed in column 4 lines 22-34. It would have been obvious to one having ordinary skill in the art at the time the invention was made to for the SIM contains a calculation rule for calculating and generating from the stored identity at least one new identity the new identities created by the calculation rule being associated accordingly in the mobile switching center, since it has been held that rearranging parts of an invention involves only routine skill in the art. *In re Japikse*, 86 USPQ 70.

2. Claims 3-5,9,10 and 15-16 rejected under 35 U.S.C. 103(a) as being unpatentable over Garcia in view of Julin (U. S Patent Number 6,212,372).

**Regarding claims 3-5,9,10**, Garcia discloses everything claimed, as applied above (see claim 1) however Garcia fails to specifically discloses, the new identity is affected by a user entry via a keyboard.

In the same field of endeavor Julin discloses method in mobile telephone systems in which a subscriber identity module (SIM) is allocated at least two identities which are

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selectively activated by the user. In addition Julin discloses "the selective identity activation, i.e. the selection of identity function in the subscriber identity module, can be carried out with the aid of keys or the like provided on the subscriber unit, or with the aid of special means provided on the subscriber identity module" which reads on the new identity is affected by a user entry via a keyboard as disclosed in column 2 lines 17-23.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Gracia with the new identity is affected by a user entry via a keyboard as taught by Julin for the purpose of subscriber identity selection.

***Regarding claims 15-16***, Garcia discloses everything claimed, as applied above (see claim 1) however Garcia fails to specifically disclose method in mobile telephone systems in which a subscriber identity module (SIM) contains a temporary memory area for temporarily storing a further identity which is calculated or communicated by the mobile switching center.

Garcia discloses the claimed invention except for "the fixed cellular terminal TCF generates a new subscriber identification number, it being recorded in a buffer memory of the low frequency signals and control module BFC that the installation stage has been completed" as disclosed in column 4 lines 16-21. It would have been obvious to one having ordinary skill in the art at the time the invention was made to for the subscriber identity module (SIM) contains a temporary memory area for temporarily storing a further identity which is calculated or communicated by the mobile switching center, since it has been held that rearranging parts of an invention involves only routine skill in the art. *In re Japikse*, 86 USPQ 70.

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***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheila B. Smith whose telephone number is (703)305-0104. The examiner can normally be reached on Monday-Thursday 6:00 am - 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on 703-305-4040. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-0104.

S. Smith  
November 1, 2003

  
TEMICA M. DAVIS  
PATENT EXAMINER